

# Memorandum



Agenda Item No. 2(B)1  
October 5, 2016

**Date:** July 11, 2016

**To:** Honorable Chairman Jean Monestime  
and Members, Board of County Commissioners

**From:** Carlos A. Gimenez  
Mayor

**Subject:** Miami-Dade Water and Sewer Department: List of Chemicals Purchased and the Amount Spent on an Annual Basis in a Matrix Form - Directive 160626

During the May 11, 2016 Metropolitan Services Committee meeting, Commissioner Juan Zapata requested that the Miami-Dade Water and Sewer Department (WASD) prepare a comprehensive list of the chemicals WASD purchases and the amount spent on annual basis in a matrix form. As requested, the list is provided below:

Chemical Name	Metric Measurement	Composition	Average Annual Expenditures
Aqueous Ammonia	Ton	Liquid	\$636,001
Bulk Industrial Crude Solar Salt	Pound	Solid	\$909,757
Fluorosilicic Acid	Ton	Liquid	\$326,240
Hydrogen Peroxide	Pound	Liquid	\$1,101,468
Liquid Carbon Dioxide	Ton	Liquid	\$762,498
Liquid Caustic Soda	Pound	Liquid	\$1,302,768
Liquid Chlorine	Ton	Liquid	\$1,659,104
Liquid Ferric Sulfate and Ferric Chloride	Pound	Liquid	\$418,303
Liquid Sodium Silicate	*CWT	Liquid	\$334,832
Odor Control Chemicals	Gallon	Liquid	\$127,341
Polymer for Water Treatment Plants	Pound	Solid	\$190,397
Polymeric Flocculants for the Central District Wastewater Treatment Plant	Pound	Solid	\$938,768
Polymeric Flocculants for the South District Wastewater Treatment Plant	Pound	Solid	\$712,272
Quicklime	Ton	Powder	\$9,499,575
Sodium Hypochlorite in 10.5% Solution	Gallon	Liquid	\$2,373,022
Sodium Permanganate	Pound	Liquid	\$550,689
Sodium Polyphosphate	Ton	Liquid	\$329,724
Sodium Polyphosphate	Pound	Fine Granules	\$15,840

\* CWT is unit of measure equal to hundredweight, which is equal to 100 pounds.

Honorable Chairman Jean Monestime  
And Members, Board of County Commissioners  
Page 2

Per Ordinance 14-65, this memorandum will be placed on the next available applicable Committee meeting agenda and subsequently placed on the next available Board of County Commissioners meeting agenda.

Should you have any questions or require further information, please contact Miami-Dade Water and Sewer Director Lester Sola at 786-552-8200.

c: Abigail Price-Williams, County Attorney  
Jack Osterholt, Deputy Mayor, Office of the Mayor  
Lester Sola, Director, Water and Sewer Department  
Eugene Love, Agenda Coordinator